



Institute of Transport Studies (Monash)
The Australian Research Council Key Centre in Transport Management

Institute of Transport Studies, Monash University
World Transit Research

World Transit Research Newsletter

12-2019

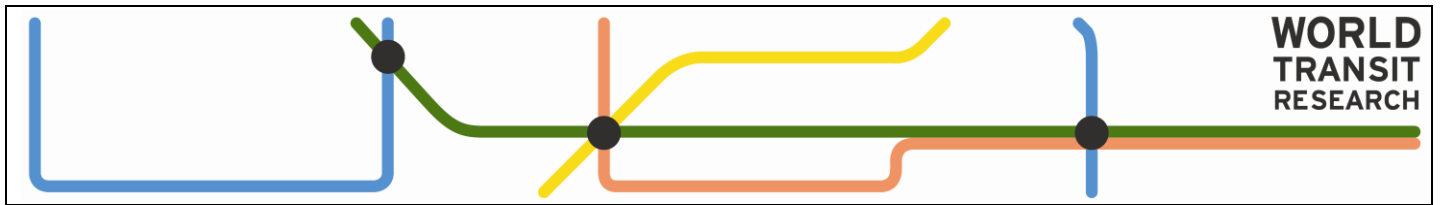
World Transit Research December 2019 Newsletter

Institute of Transport Studies Monash University

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Welcome to the WORLD TRANSIT RESEARCH (WTR) clearinghouse newsletter. This newsletter, which is published bi-monthly, summarises new research published in the field which has been added to the World Transit Research clearinghouse research database.

WTR is now used by public transport researchers in over 8,000 cities and towns in 170 countries worldwide.

BACKGROUND

World Transit Research (WTR) is designed to help public transport practitioners and researchers get easier access to quality research in the field of public transport planning. WTR is a free repository of research papers, reports, research abstracts and links to research findings from leading research journals indexed and searchable to ensure easier access to topics of interest. The site is developed and run by the [Public Transport Research Group](#) at the Institute of Transport Studies, Monash University. The clearinghouse performs the following functions:

- Search/Find – The database is searchable on key words and also via a list of subject areas
- Newsletter Subscription – Those accessing the website can enrol in a free email newsletter. This broadcasts new publications in the field every 2 months
- Links – links to relevant associated sites are provided
- Submit Research – Researchers can use the website to suggest items for inclusion in the database. Copyright requirements are described.

NEWSLETTER

Your recommendation can help grow our number of subscribers. Do you know someone interested in public transport research that would like to receive this newsletter? Ask them to go to <http://www.worldtransitresearch.info/> and enter their email address in the box provided under Newsletter.

NEW ADDITIONS

World Transit Research clearinghouse now includes some 7,579 research reports/papers. Some 63 published papers have been added. The new ones are listed in the attached table. In addition new journals and relevant papers are also occasionally added from previous publication records.

CONTRIBUTE YOUR RESEARCH AND INCREASE YOUR CITATIONS

Should you have any relevant papers that you think should be included in this repository, please log on to www.worldtransitresearch.info and click on the Submit Research icon. The WTR Clearinghouse is a very effective tool to increase author citations of research since it acts to publicise your research to those interested in this field.

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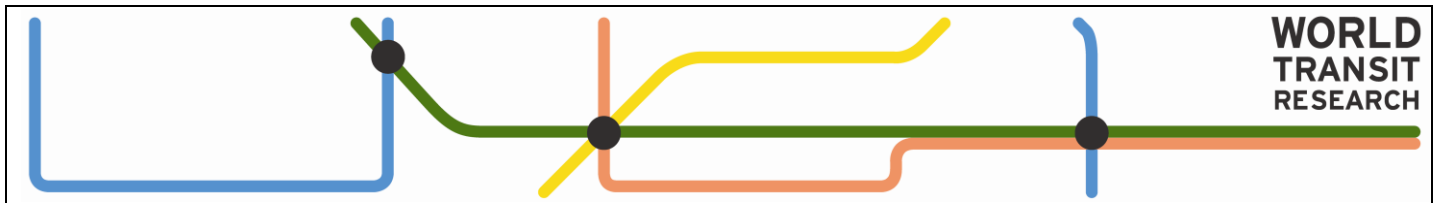
SUGGESTIONS WELCOMED

If you have any queries or suggestions on how to improve our publication, we would love to hear from you at: enquiries@worldtransitresearch.info

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WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
P Heyken Soares, C Mumford, K Amponsah, Y Mao	An adaptive scaled network for public transport route optimisation	Planning
S Mohri, M Akbarzadeh	Locating key stations of a metro network using bi-objective programming: discrete and continuous demand mode	Planning
F Enayatollahi, A Idris, M Amiri Atashgah	Modelling bus bunching under variable transit demand using cellular automata	Planning
B Sun, J Apland	Operational planning of public transit with economic and environmental goals: application to the Minneapolis–St. Paul bus system	Planning
S Wu, Y Zhuang, J Chen, W Wang, Y Bai, S Lo	Rethinking bus-to-metro accessibility in new town development: Case studies in Shanghai	Planning
W Wang, Z Tian, K Li, B Yu	Real-time short turning strategy based on passenger choice behavior	Planning
A Santos, D Valério, J Tenreiro Machado, A Lopes	A fractional perspective to the modelling of Lisbon's public transportation network	Planning
R Abenoza, O Cats, Y Susilo	How does travel satisfaction sum up? An exploratory analysis in decomposing the door-to-door experience for multimodal trips	Planning
F Ma, F Ren, K Yuen, Y Guo, C Zhao, D Guo	The spatial coupling effect between urban public transport and commercial complexes: A network centrality perspective	Planning
D van Soest, M Tight, C Rogers	Exploring transport perceptions across urban areas using free associations	Planning
H Mokarami, S Alizadeh, T Rahimi Pordanjani, S Varmazyar	The relationship between organizational safety culture and unsafe behaviors, and accidents among public transport bus drivers using structural equation modeling	Planning
W Wu, R Liu, W Jin, C Ma	Simulation-based robust optimization of limited-stop bus service with vehicle overtaking and dynamics: A response surface methodology	Planning
K Blynn, J Attanucci	Accelerating Bus Electrification: A Mixed Methods Analysis of Barriers and Drivers to Scaling Transit Fleet Electrification	Planning
C Iliopoulou, I Tassopoulos, K Kepaptsoglou, G Beligiannis	Electric Transit Route Network Design Problem: Model and Application	Planning
E Diab, D Kasraian, E Miller, A Shalaby	Current State of Practice in Transit Ridership Prediction: Results from a Survey of Canadian Transit Agencies	Planning
E Sam, K Brijis, S Daniels, T Brijis, G Wets	Construction and validation of a public bus passenger safety scale	Planning
X Dou, H Wang, Q Meng	Parallel shuttle bus service design for planned mass rapid transit shutdown: The Singapore experience	Planning
Y Jung, J Casello	GIS-based transit trip allocation methods converting stop-level boarding and alighting trips into TAZ trips	Planning
P Jasti, V Ram	Sustainable benchmarking of a public transport system using analytic hierarchy process and fuzzy logic: a case study of Hyderabad, India	Planning
C Iliopoulou, K Kepaptsoglou, E Vlahogianni	Metaheuristics for the transit route network design problem: a review and comparative analysis	Planning
F Covic, S Voß	Interoperable smart card data management in public mass transit	Planning
W Huang, B Shuai, E Antwi	A two-stage optimization approach for subscription bus services network design: the China case	Planning
J Cao, M Duncan	Associations among Distance, Quality, and Safety When Walking from a Park-and-Ride Facility to the Transit Station in the Twin Cities	Planning
I Carlton	Transit Planners' Transit-Oriented Development-Related Practices and Theories	Planning
V Sunio, S Gaspay, M Guillen, P Mariano, R Mora	Analysis of the public transport modernization via system reconfiguration: The ongoing case in the Philippines	Planning
J Shires, M Ojeda-Cabral, M Wardman	The impact of planned disruptions on rail passenger demand	Ridership
S Adélé, S Tréfond-Alexandre, C Dionisio, P Hoyau	Exploring the behavior of suburban train users in the event of disruptions	Ridership
R Krueger, T Rashidi, J Auld	Preferences for travel-based multitasking: Evidence from a survey among public transit users in the Chicago metropolitan area	Ridership
H Kim	Trustworthiness of unmanned automated subway services and its effects on passengers' anxiety and fear	Ridership
S Hu, S Chen	Effects of mixed traffic and elderly passengers on city bus drivers' work-related fatigue	Ridership
Z Chang, J Chen, W Li, X Li	Public transportation and the spatial inequality of urban park accessibility: New evidence from Hong Kong	Ridership
X Ma, X Zhang, X Li, X Wang, X Zhao	Impacts of free-floating bikesharing system on public transit ridership	Ridership



D van Soest, M Tight, C Rogers	Exploring the distances people walk to access public transport	Ridership
Y Zhu, F Chen, Z Wang, J Deng	Spatio-temporal analysis of rail station ridership determinants in the built environment	Ridership
G Dorantes-Argandar, E Rivera-Vázquez, K Cárdenas-Espinoza	Measuring situations that stress public bus users in Mexico: a case study of Cuernavaca, Morelos	Ridership
H Chen, H Chou, J Su, F Wen	Structural interrelationships of safety climate, stress, inattention and aberrant driving behavior for bus drivers in Taiwan	Ridership
N Malalgoda, S Lim	Do transportation network companies reduce public transit use in the U.S.?	Ridership
L Márquez, J Alfonso A, J Poveda	In-vehicle crowding: Integrating tangible attributes, attitudes, and perceptions in a choice context between BRT and metro	Ridership
P Shankar, L Young, P Haas, P Esling	The Real Estate Mantra- Locate Near Public Transportation	Land use
A Zandiatashbar, S Hamidi, N Foster, K Park	The Missing Link between Place and Productivity? The Impact of Transit-Oriented Development on the Knowledge and Creative Economy	Land use
W Lung-Amam, R Pendall, E Knaap	Mi Casa no es Su Casa: The Fight for Equitable Transit-Oriented Development in an Inner-Ring Suburb	Land use
P Harrison, M Rubin, A Appelbaum, R Dittgen	Corridors of Freedom: Analyzing Johannesburg's Ambitious Inclusionary Transit-Oriented Development	Land use
F Paulhiac Scherrer	Assessing Transit-Oriented Development Implementation in Canadian Cities: An Urban Project Approach	Land use
J Cavadas, A Antunes	An optimization model for integrated transit-parking policy planning	Policy
T Enright	Transit justice as spatial justice: learning from activists	Policy
A Stuntz, J Attanucci, F Salvucci	Incorporating Product Choice into Transit Fare Policy Scenario Models	Policy
M Lee, C Yeh	Causal effects between bus revenue vehicle-kilometers and bus ridership	Policy
Å Jevinger, J Persson	Exploring the potential of using real-time traveler data in public transport disturbance management	Technology
S Majumder, K De, P Kumar, R Rayudu	A green public transportation system using E-buses: A technical and commercial feasibility study	Technology
A Zamar, B Ren, X Liu	Artificial Intelligence-Aided Automated Detection of Railroad Trespassing	Technology
F Chen, J Zhang, Z Wang, S Shi, H Liu	Passenger travel characteristics and bus operational states: a study based on IC card and GPS data in Yinchuan, China	Technology
F Pérez-Prada, B Alves, K Sethi, D Barrés, Y Qiu	Clean Bus Technologies and the Cost-Effectiveness of Emissions Reductions in Latin America	Economics
D Dreier, S Silveira, D Khatiwada, K Fonseca, R Nieweglowski, R Schepanski	The influence of passenger load, driving cycle, fuel price and different types of buses on the cost of transport service in the BRT system in Curitiba, Brazil	Economics
N Bounie, F Adoue, M Koning, A L'Hostis	What value do travelers put on connectivity to mobile phone and Internet networks in public transport? Empirical evidence from the Paris region	Economics
Y Ji, L Gao, Y Fan, C Zhang, R Zhang	Waiting time perceptions at bus and metro stations in Nanjing, China: the importance of station amenities, trip contexts, and passenger characteristics	Infrastructure
X Chen, X Han, X Jia, L Yu, T Wan	Capacity Modeling of Weaving Areas on Urban Expressways with Exclusive Bus Lanes Based on Gap Acceptance Theory	Infrastructure
N Chiabaut, A Barcet	Demonstration and evaluation of an intermittent bus lane strategy	Infrastructure
P Nguyen, E Diab, A Shalaby	Understanding the factors that influence the probability and time to streetcar bunching incidents	Operations
N Bešinović, R Goverde	Stable and robust train routing in station areas with balanced infrastructure capacity occupation	Operations
J Chu, K Korsesthakarn, Y Hsu, H Wu	Models and a solution algorithm for planning transfer synchronization of bus timetables	Operations
H Jamme, J Rodriguez, D Bahl, T Banerjee	A Twenty-Five-Year Biography of the TOD Concept: From Design to Policy, Planning, and Implementation	Literature review
J Allen	Reasons for Commuter Rail Electrification: Early 20th Century and Since 2000	Mode
F Hirschhorn, A Paulsson, C Sørensen, W Veeneman	Public transport regimes and mobility as a service: Governance approaches in Amsterdam, Birmingham, and Helsinki	Organisation

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